

QUAIL RIDGE COUNTRY CLUB

354 GREAT ROAD ACTON MA 01720

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B328

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name

ZEPSTART ENGINE STARTER

Product Use

Aerosol Engine Starting Fluid

Product Code

0306

Date of issue

12/22/04

Supersedes 09/24/97

Emergency For MSDS Information:

Numbers

Telephone Acuity Specialty Products Group, Inc. Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency

INFOTRAC:

(877) 541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency

CHEMTREC:

(800) 424-9300 - All Calls Recorded

In the District of Columbia (202) 483-7616

Prepared by Compliance Services Group

Acuity Specialty Products Group 1420 Seaboard Industrial Blvd.

Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS#	% by Weight	Exposure Limits
HEPTANE; n-heptane	142-82-5	65 - 75	ACGIH/OSHA (United States). TWA: 400 ppm 8 hour(s). ACGIH/OSHA (United States). STEL: 400 ppm 15 minute(s).
ETHYL ETHER; diethyl ether; ethane; 1,1-oxybis-	60-29-7	60-29-7 30 - 35 ACGIH TLV (United States). STEL: 400 ppm 15 minute(s). OSHA PEL (United States). TWA: 400 ppm 8 hour(s).	STEL: 400 ppm 15 minute(s). OSHA PEL (United States).

Section 3. Hazards Identification

Routes of Entry Dermal contact. Eve contact. Inhalation.

Hazardous in case of skin contact (irritant). Direct contact may cause irritation and redness.

Health 2 4 Reactivity 0 Personal Protection В

HMIS

Skin Eyes

Acute Effects

Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by

redness, watering, and itching.

Inhalation Hazardous in case of inhalation. Avoid breathing vapors or spray mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system depression.

Ingestion May be fatal if swallowed.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

Carcinogenic Effects

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects

Inhalation of spray mists or vapors may cause central nervous system depression characterized by headache, dizziness, nausea, stupor, weakness and/or numbness and tingling in the extremities (medical term - peripheral neuropathy). Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Over exposure is unlikely to aggravate existing medical conditions. Repeated or prolonged exposure to the substance can produce target organs damage.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get

medical attention if irritation develops.

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen. Get medical attention.

Ingestion Aspiration hazard if swallowed- can enter lungs and cause damage. Do NOT induce vomiting unless

directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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Inhalation

Section 5. Fire Fighting Measures

Flash Point

Not available.

Flammable Limits Not available.

Flammability

Extremely flammable. (CSMA)

Fire Hazard CONTENTS UNDER PRESSURE

CONTENTS UNDER PRESSURE. Container explosion may occur under fire conditions or

when heated. May emit toxic fumes under fire conditions. Vapors are heavier than air and may

spread along floors.

Fire-Fighting Procedures

Use dry chemical or CO₂. Cool containing vessels with water jet in

order to prevent pressure build-up, autoignition or explosion.

Section 6. Accidental Release Measures

Spill Clean up Large spills are unlikely due to packaging.

Section 7. Handling and Storage

Handling Avoid co

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Do not ingest. Keep away from heat, sparks and flame. Observe label precautions. Wash thoroughly

after handling.

Storage

CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Store and use away from heat, sparks, open flame, or any other ignition source. Keep container in a cool, well-ventilated area. Keep away from heat and direct sunlight. Do not store above 49°C (120.2°F). Keep away from food, drink and animal feeding stuffs. Keep out of

the reach of children.

Section 8. Exposure Controls, Personal Protection

Personal Protection

Protective Clothing (Pictograms)

Eyes Safety glasses.

Body

Viton gloves. Neoprene gloves. Rubber gloves. Nitrile gloves.

Respiratory Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne

concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when

ventilation is inadequate.

Section 9. Physical and Chemical Properties

Physical State Lie

Liquid. (Aerosol.)

pН

Not available. >35°C (95°F)

Boiling Point

Specific Gravity 0.7 (Water = 1)

Solubility

Very slightly soluble in cold water, hot water.

Color Clear. Colorless.

Odor Ethereal. (Strong.)

Vapor Pressure Not determined.

Vapor Density >1 (Air = 1)

Evaporation Rate >1 compared to Butyl acetate.

VOC (Consumer) 708.78 (g/l). 5.91 lbs/gal

100.00%

Section 10. Stability and Reactivity

Stability and Reactivity

The product is stable.

Incompatibility

Reactive with oxidizing agents, acids. Incompatible with amines. Protect from temperature

extremes and direct sunlight.

Hazardous Polymerization

Hazardous Decomposition Products carbon oxides (CO, CO₂)

Section 11. Toxicological Information

Toxicity to Animals

Not applicable.

Will not occur.

Section 12. Ecological Information

Ecotoxicity

Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste

Waste must be disposed of in accordance with federal, Waste Stream Code: D001

Information

state and local environmental control regulations.

Classification: - (Hazardous waste.)

Origin: - (RCRA waste.)

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name

Consumer Commodity

DOT Classification

ORM-D

UN number Not regulated.

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

U.S. Federal Regulations

SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA inventory.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.